

INYUTKINA, A.I.

Scientific drift stations established by the U.S.A. in the  
Arctic basin. Probl.Arkt.i Antarkt. no.11:109-113 '62.  
(Arctic regions—Oceanographic research stations) (MIRA 16:2)

INYUTKINA, A.I.

Roald Amundsen Institute for Polar Technology at Spitsbergen.  
Probl.Arkt.i Antarkt. no.15:95 '64.

(MIRA 17:4)

INYUTKINA, A.I.

Electronic buoys for collecting data on the Labrador Current.  
Okeanologiya 4 no.3:546 '64 (MIRA 18:1)

INYUTKINA, A.I.

Ice islands in the Canadian Arctic. Probl. Arkt. i Antarkt.  
no.17:85-86 '64.

(MIRA 18:4)

INYUTKINA, A.I.

Adelie penguins and a physiological "clock," Inform. biol. Sov.

antark. eksp. no. 49:65 '64. (MIRA 18:5)

L 00738-66

ACCESSION NR: AP5021994

UR/0286/65/000/014/0072/0073  
621.86.061.3

AUTHOR: Plotnikov, Yu. P.; Inyutsin, N. I.; Merkotan, A. G.

TITLE: A hoisting device for unit loads. Class 35, No. 172971

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 72-73

TOPIC TAGS: hoisting equipment, crane

ABSTRACT: This Author's Certificate introduces a hoisting device for unit loads. The device is designed chiefly for reinforced concrete articles stacked in a parallel row. The device consists of a frame with extensible claw grips suspended from the crane hoist hook. The unit is designed for simultaneously hoisting a row of articles of various lengths from a stacked pile and for high operational reliability. Each of the extensible claw grips mounted on one side of the frame is individually driven by a pneumatic cylinder with its rod hinged to the claw grip.

ASSOCIATION: none

SUBMITTED: 25May64

NO REF SOV: 000

ENCL: 01  
OTHER: 000

SUB CODE: IE

Card 1/2

L 00738-66

ACCESSION NR: AP5021994

ENCLOSURE: 01

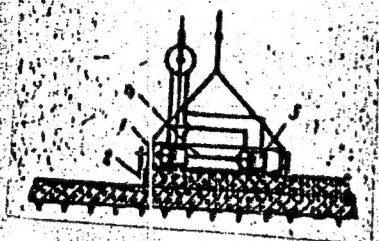


Fig. 1. 1--frame; 2--extensible  
claw grip; 3--pneumatic cylinder;  
4--cylinder rod

Card 2/2

INYUTSIN, P.

Amateur breeder of fur-bearing animals. Sov. potreb. koop. no.1:  
30 Ja '58. (MIRA 11:1)

1. Starshiy instruktor Kuybyshevskogo oblpotrebsoyusa.  
(Kuybyshev--Silver fox) (Fur farming)



INZBURG, S.L., kandidat khimicheskikh nauk

Determination of chlorobenzene vapors in the air and separate determination of benzene and chlorobenzene. Khim.prom.no.2:55-56  
F '47. (MIRA 8:12)

1. Khimicheskaya laboratoriya Instituta gigiyeny truda i profsabo-  
levaniy Akademii meditsinskikh nauk  
(Benzene)

INZEL', L. I.

---

Osnovy glusheniia shuma vykhlopa dvigatelyi vnutrennego sgoraniia.  
Moskva, Mashgiz, 1949. 195 p. diagrs.  
Bibliography: p. (194)

Fundamentals of muffling the noise of internal combustion engine exhausts.  
DIC: TJ1789.I5

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of  
Congress, 1953.

INZEIT, I.  
INZEIT, I.

Magyar Kemikusok Lapja - Vol. 10, no. 5, May 1955

Timely questions of publishing books on chemistry. p. 158.

SO: Monthly list of East European Accessions, (KEAL), LC, Vol. 4, No. 9, Sept. 1955  
Uncl.

INZELT, I.

SCIENCE

PERIODICALS: ~~AGTA ZOOLOGICA~~ Vol. 64, No. 7/8 July/Aug. 1958  
MAGYAR KEMENAI FOLYOIRAT

Inzelt, I. Determination of transfer numbers in ion-crystal solutions.  
p. 282

Monthly list of East European Accessions (EEAT) IC, Vol. 8, No. 2,  
February 1959, Unclass.

INZELT, I.

Plastic foils in the packaging technique. p 83.  
News on Hungary's chemical industry. p. 85.

MAGYAR KEMIKUSOK LAFJA. (Magyar Kemikusok Egyesulete) Budapest, Hungary  
Vol. 14, no. 2/3, Feb./Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

INZELT, Istvan

Nonpoisonous synthetic materials. Musz.elet. 15 no.3:12 F '60.

(KAI 9:4)

(Hungary--Synthetic products)

BECK, Mihaly; BITE, Pal; BRUCKNER, Gyozo; CSENTES, Jozsef; CSUROS, Zoltan;  
DEAK, Gyula; ERDEY-GRUZ, Tibor; ERDEY, Iaszlo; FABIAN, Pal;  
FINALY, Istvan; FODOR, Gabor; FODORNE GSANYI, Pirooska;  
GYORBIRO, Karoly; ~~INZELT, Istvan~~; KUCSMAN Arpad; NEUMANN, Erno;  
PUNGCR, Erno; SCHNEER, Anna; SCHULEK, Elemer; SZABADVARY, Ferenc

Rules for the Hungarian chemical nomenclature and orthography.  
Kem tud kozl MTA 17 no.1/4:1-292 '62.

1. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Bruckner, Csuros, Iaszlo Erdey, G.Fodor, and Schulek).
2. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Erdey-Gruz).
3. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" technikai szerkesztoje (for Finaly).
4. Muvelodesugyi Miniszterium (for Csentes ).
5. Magyar Tudomanyos Akademia Helyesitasi Bizottsage (for Fabian).
6. Nehezipari Miniszterium (for Neumann).

INZELT, Istvan

Sewage of chemical industries. Magy kem lap 17 no.3:113-116  
Mr '62.

1. Vegyimuveket Tervezo Vallalat, es "Magyar Kemikusok Lapja"  
szerkeszto bizottsagi tagja



INZELTNE, G.E.

HUNGARY/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research

C

Abs Jour : Ref Zhur Fizika, No 2, 1960, 2868

Author : Fodorne, C.P., Inzeltne, G.E.

Inst : -

Title : Separation of Isotopes by Methods of Ion Transport

Orig Pub : Energia es atomtechn., 1959, 12, No 1, 12-16

Abstract : No abstract.

Card 1/1

- 17 -

The new tabulation of atomic weights. Magy kem lap 17 no.10:441-444  
0 '62.

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke.

INZELTHE GERBER, Edit; LENGYEL, Sandor

Measuring ion mobility in sodium-iodide solutions by means of trace indicator. Magyar kem folyoir 68 no.4:151-156 Ap '62

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologiai Tanszeke, es Magyar Tudomanyos Akademiai Elektrokemiai Kutato Csoportja, Budapest. "Magyar Kemiai Folyoirat" szerleszto bizottsagi tagja (for Lengyel).

INZELTNE GERBER, Edit

The new atomic weight tabulation; excerpts from an article. Musz  
elet 18 no.1:15 3 Ja '63.

INZEIT-GERBER, Edit. (Mrs) (Budapest, VIII., Puskin u. 11-13);

LENGYEL, Sandor, prof., dr. (Budapest, VIII., Puskin u. 11-13)

Measuring ionic mobilities in sodium iodide solutions by  
applying radioactive isotopes. Acta chimica Hung 35 no.4:  
407-417 '63.

1. Lehrstuhl für Physikalische Chemie und Radiologie der Lorand  
Eotvos Universität, Budapest und Elektrochemische Forschungsgruppe  
der Ungarischen Akademie der Wissenschaften, Budapest.

2. Mitglied, Redaktionskollegium, "Acta Chimica Academiae  
Scientiarum Hungaricae," (for Lengyel).

L 47423-66  
ACC NR: AF6034992

SOURCE CODE: HU/0005/65/071/012/0511/0521

AUTHOR: Inzeltne, Gerber Edit; Molnar, Sandor  
ORG: Department of Physical Chemistry and Radiology, Eotvos Lorand University,  
Budapest (Eotvos Lorand Tudomanyegyetem, Fizikai-Kemiai es Radiologiai Tanszek);  
Electrochemical Research Group of the Academy, Budapest (Elektrokemiai Akademiai  
Kutato Csoport)

TITLE: Combined slit-collimator for the measurement of the distribution of gamma-  
radiating isotopes

SOURCE: Magyar kemiai folyoirat, v. 71, no. 12, 1965, 511-521

TOPIC TAGS: collimator, radioisotope, gamma radiation

ABSTRACT: A combined slit-collimator is described for the measurement of the linear distribution of gamma activity, for instance in a capillary tube. Its efficiency in reference to an  $I^{131}$  point source is 48 per cent, the width of the band  $B_{50} = 1.5$  mm, so that measurements of considerable accuracy can be carried out with the setting described. The amount of activity needed for the determinations is greatly reduced by the high efficiency of the machine and thereby the expenses of radiation protection can be kept at a realistically low level. The authors thank Sandor Lengyel, Head of Department, for support in this work; Jozsef Gergely, Scientific Advisor, for support in the theoretical problems; Erzsabet Gyori for conducting measuring and research work in her dissertation; and Istvanne Magyar for giving valuable support in conducting research work and numerical calculations. /Based on authors' Eng. abst./ Orig. art. has: 23 figures and 21 formulas. /JPRS: 34,518/

SUB CODE: 18 / SUBM DATE: 12Nov64 / OTH REF: 004

Card 1/1

USSR/Chemistry - Corrosion

FD-1732

Card 1/1 : Pub. 50-8/18

Authors : Inzhechik, V. G., Cand Tech Sci; Yanush, A. V.

Title : The corrosion resistance of different metals in soda-potash and soda-sulfate solutions

Periodical : Khim. prom., No 1, 39-42, Jan-Feb 1955

Abstract : On the basis of the data listed, arrive at the conclusion that the sulfates and bicarbonates of the solutions tested are mainly responsible for the corrosion and that the corrosion is more intense in the presence of air. By comparing different grades of steel, determined which grade of steel is best suited for the construction of equipment that is exposed to the action of the solutions in question. One graph. 6 tables.

Institution : All-Union Institute of the Soda Industry

INZHESNIK, V. G.

Dissertation: "Study of Cathode Potentials of Low-Alloy Double Alloys of Iron With Vanadium, Wolfram, and Molybdenum." Cand Tech Sci, Moscow Chemicotechnological Inst, Moscow, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 4, Feb 54)

SO: SUM 243, 19 Oct 54

INZHEVATOV, M.V.

Increasing the length of the compartments of soaking pits.  
Sbor. rats. predl. vnedr. v proizv. no.2:37-39 '61.

(MIRA 14:7)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.  
(Furnaces, Heating)



INZHEVATOV, V.M.

Changing heating conditions of O9G2 steel ingots. Sbor.  
rats. predl. vnedr. v proizvod. no.2:34 '61. (MIRA 14:7)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.  
(Furnaces, Heating)

ROSKIN, G.I., prof., otv. red.; INZHEVATOVA, Ye.I., red.;  
SHEPOTINNIK, L.P., tekhn. red.

[Symposium on the use of cruzin in cancer therapy] Simpo-  
zium po probleme krutsin v terapii raka 25-26 iulia 1962 g.  
Moskva, Tsentral'noe biuro tekhn. informatsii, 1963. 76 p.  
(MIRA 16:7)

1. Moscow. Universitet. Kafedra tsitologii i gistologii.  
(CANCER) (CRUZIN)

L 17698-63

EPF(c)/EWT(E)/BDS AFFIO/APGC PT-4 MN

ACCESSION NR: AP3004219

S/0065/63/000/007/0016/0023

AUTHORS: Varshaver, Ye. M.; Inzlikhin, A. L.

TITLE: Production of high viscosity oils by two-stage deasphaltization of residual crude

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 7, 1963, 16-23

TOPIC TAGS: viscosity, oil, lubricant, deasphaltization, residual crude oil, rolling mill, deparaffinization

ABSTRACT: In connection with the construction of a second deasphaltization unit at the Volgogradskiy neftepererabatyvayushchiy zavod (Volgograd petroleum refinery), the refinery was revised to improve the operation of the deasphaltization section and to provide a second stage of deasphaltization for extraction of high viscosity oil components from the asphalt. This improved the separation of deasphalted product by 12-14% and, correspondingly, the economics of the process. Improvements in the deparaffinization of the product from the second stage increased diesel oil output by approximately 7% and enabled the refinery to offer new cylinder oils for rolling.

Card 1/2

L 17698-63

ACCESSION NR: AP3004219

mills. Orig. art. has: 2 figures and 4 tables.

ASSOCIATION: Volgogradskiy NPZ (Volga NPZ)

SUBMITTED: 00

DATE ACQ: 08Aug63

ENCL: 00

SUB CODE: FL

NO REF SOV: 000

OTHER: 000

Card 2/2

INZOVKINA, T. V.

22961 Reaktsiya beskislotnoy esterifikatsii etilovogo spirta so storony ye ye kinetiki. Zhurnal obshchey khimii, 1949, Vyp. 6, C. 1125-36. Bibliogr: C.1135-36

SO: LETOPIS' NO. 31, 1949

BERCOVICI, S., dr.; IOACHIM, A., dr.

The ankylosing form of spondylosis. Med. intern., Bucur 12 no.12:  
1833-1841 D '60.

1. Lucrare efectuata in Sectia medicala a Spitalului "Bucur".  
(SPONDYLITIS, ANKYLOSING case reports)

BURCOVICI, E., dr.; IACACHEN, A., dr.; BANNER, A., dr.

Esophago-bronchial fistula of broncholithiasis origin. Med.  
intern. (Bucur.) 16 no.11:1391-1396 N '54

1. Lucrare efectuata in sectia medicala a Spitalului "Bucur".

G. IOACHIM

G. IOACHIM    Exploatarea zacamintelor de titei; a book review. p. 623

Vol. 6, no. 12, Dec. 1955.

PETROL SI GAZE

Bucuresti, Rumania

So: East European Accession, Vol. 5, No. 5, May 1956



IOACHIM, Gr., prof. ing.

Training engineers in the Rumanian oil industry. Petrol si  
gaze 15 no.8:434-437 Ag'64

BURGHELE, Th.,; IOACHIM, H.,; DIMITRIU, D.,; GOLDSTEIN, I.,; CIOFU, S.,;  
DUVAN, S. ~~.....~~

Chronic experimental renal tuberculosis in dog. Acta med. hung.  
8 no.2:193-214 1955  
(TUBERCULOSIS, RENAL, experimental,)

PAPADOPOL, S., Dr.; IOACHIM, H., dr.

Histopathological aspects of 73 biopsies of the auricle made during mitral commissurotomy; correlations between the clinical, biological and histopathological findings in rheumatic heart disease. Med. int., Bucur. 3 no.7:1015-1026 Nov 56.

1. Lucrare efectuată în Clinica I-a chirurgicală, director prof. Th. Burghela.

(RHEUMATIC HEART DISEASE, pathology

biopsy of auricle made during commissurotomy)

(MYOCARDIUM, pathology

in rheum. heart dis., biopsy of auricle)

RUMANIA/Gonital System

S-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31307

Author : Burghole T., Iorochin H., Bocancon D.

Inst : Not Given

Title : Histo-Pathological Investigations of a Specimen Obtained by  
Needle Puncture of the Epididymis.

Orig Pub : Chirurgia, 1956, 5, No 2, 204-208

Abstract : No abstract

Card : 1/1

55

PAPADOPOULOS, S., Dr.; IOACHIM, H., dr.

Syndrome of constrictive pericarditis of neoplastic origin  
(reticulosarcoma of the pericardium). Med. int., Bucur. 9  
no.3:438-444 Mar 57.

1. Clinica chirurgicala a Spitalului "Panduri," Bucuresti,  
director prof. Th. Burghiele.

(PERICARDIUM, neoplasms

reticulosarcoma, causing constrictive pericarditis)

(PERICARDITIS, etiol. & pathogen.

constrictive pericarditis caused by reticulosarcoma of  
pericardium)

(SARCOMA, RETICULUM CELL, case reports

pericardium, causing constrictive pericarditis)

BURGELE, T., prof., DIMITRIU, D., IOAKIM, G. [Ioachim, G.]

Diagnosis and treatment of tumors of the adrenal medulla.

Chirurgia 34 no.10:10-16 O '58

(MIRA 11:11)

1. Iz 1-y Khirurgicheskoy kliniki Bukharesta.

(PHEOCHROMOCYTOMA,

diag. & ther. (Rus))

~~IOACHIMESCO, ELENA (FARM.)~~

[illegible]

IOAKIM, G.; [IOACHIM, Gr.]; (Rumynskaya Narodnaya Respublika)

Development of petroleum production techniques Rumanian People's  
Republic. Neft. khoz. 38 no.3:31-39 Mr '60. (MIRA 13:7)  
(Rumania--Oil fields--Production methods)



L 13292-66 EWT(π)/EWP(j) BM

ACC NR: AP6000325

(A)

SOURCE CODE: UR/0286/65/000/021/0012/0012

INVENTOR: Volkova, I. I.; Zaitova, A. Ya.; Isakina, A. A.; Mochal'nikova, T. P.;  
Nazarova, L. Yu.; Nazarov, V. I.; Pryakhina, M. S.; Petrov, V. N.; Rachkovskiy, E.  
E.; Savel'yev, A. P.; Syrova, A. A.; Tikhonovskaya, S. G.

ORG: none

TITLE: A method for producing normal butanol by synthesis from ethyl alcohol.  
Class 12, No. 175929 [announced by the Bashkir Scientific Research Institute for  
Petroleum Refining (Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke  
nefti)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 12

TOPIC TAGS: catalysis, butanol, ethyl alcohol

ABSTRACT: This Author's Certificate introduces: 1. A method for producing normal  
butanol by synthesis from ethyl alcohol on a catalyst. The process is done in a  
single stage by using a catalyst consisting of aluminum oxide, magnesium oxide,  
silicon oxide and a salt or oxide of an alkali metal. 2. A modification of this

Card 1/2

UDC: 66.097.3 : 547.264.07

L 13292-66

ACC NR: AP6000325

method in which the catalyst contains from 5 to 80 % aluminum oxide, from 95 to 10 % magnesium oxide, from 0 to 50 % silicon oxide and from 0 to 5 % of a salt or oxide of an alkali metal.

SUB CODE: 07/ SUBM DATE: 11Apr63/ ORIG REF: 000/ OTH REF: 000

jw  
Card 2/2

SOV/81-59-16-58508

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 411 (USSR)

AUTHORS: : Mitkalev, B.A., Kozorezov, Ye.S., Ioakimis, E.G.

TITLE: The Examination of the Sewage of the Retarded Coking Installation at the Novo-Ufimskiy Oil Refinery

PERIODICAL: Novosti nef. tekhn. Neftepererabotka, 1958, Nr 9, pp 4-9

ABSTRACT: The examination of the sewage from the installation of retarded coking has shown that the sewage is polluted by small quantities of petroleum products, mechanical admixtures and  $H_2S$ . It is recommended to purify the hydrogen sulfide waters from  $H_2S$  and after cooling to use them for a second time; for the final cleaning of waste waters from mechanical impurities filtration through two-layer sand-coke filters is recommended. There are 3 references.

G. Margolina.

Card 1/1

MITKALEV, B.A.; IOAKIMIS, E.O.

Water supply, sewerage and routine and additional purification  
of sewage at petroleum refineries. Trudy BashNII NP no.1:  
187-199 '59. (MIRA 12:6)

(Petroleum refineries--Water supply)  
(Sewage--Purification)

MITKALEV, B.A.; IOAKIMIS, E.O.; KOZORENZOV, Ye.S.

Separate sewerage systems. Trudy BashNII MP no.1:200-204  
'59. (MIRA 12:6)

(Petroleum refineries--By-products)  
(Sewerage)

MITKALEV, B.A.; IOAKIMIS, E.G.; KALNINA, R.V.

Flotation method for the purification of sewage at petroleum  
refineries. Trudy BashNII NP no.1:216-225 '59. (MIRA 12:6)  
(Sewage--Purification)  
(Petroleum refineries--By-products)

MITKALEV, B.A.; IOAKIMIS, E.G.; DUDNIKOVA, R.V.

Using filtration and coagulation to purify waste waters. Trudy Bash  
NIINP no.5:206-211 '62. (MIRA 17:10)

Closed cycle in the water supply of the barometric condenser of  
atmospheric and vacuum distillation apparatus. Ibid. 211-217

IOAKIMIS, E.G.; DUDNIKOVA, R.V.; BURMISTROVA, M.P.

Biochemical purification of waste waters at low temperatures.  
Nefteper. i neftekhim. no.1:21-23 '55. (MIRA 18:6)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke  
nefti.



L 24670-66 EWT(m)/T WB

ACC NR: AP6015851

SOURCE CODE: UR/0318/65/000/001/021/0023

AUTHOR: Ioakimis, E. G.; Dudnikova, R. V.; Burnistrova, M. P.

ORG: BashNIINP

TITLE: Biochemical purification of waste waters at low temperatures

SOURCE: Neftepererabotka i neftekhimiya, no. 1, 1965, 21-23

TOPIC TAGS: water purification, petrochemistry, industrial waste, biochemistry

ABSTRACT: The biochemical purification of a mixture of petroleum-containing waste waters and waste waters from petrochemical production (synthetic fatty acids and synthetic alcohol) which has been passed through a buffer pond at a water temperature of 7-10° takes place at practically the same rate as at 16-20°. At an activated sludge concentration of 2.5-3.1 g/l, an air consumption of 70-100 m<sup>3</sup>/m<sup>3</sup>, and an aeration time of 5 hr, the oxidizing capacity amounts to an average of 1500 g/m<sup>3</sup> per day of the total biochemical oxygen requirement of the petroleum-containing waste water in the range of 7-20°. Under these conditions, complete biochemical purification takes place. Changes in the composition of the waste water to be purified (increase to 100-170 mg/l in the content of petroleum products, up to 40 mg/l phenols) had no negative effect on the operation of the air tanks. The reaction to these changes was manifested only in a somewhat increased content of suspensions in the purified water (from 15-20 to 30-40 mg/l). Orig. art. has: 1 figure, [JPRS]

SUB CODE: 13, 06, 07 / SUBM DATE: none / ORIG REF: 006 / CTR REF: 001

Card 1/1 UDC: 665.5.013.628.35

IOAKIMIS, K.D.; SUSHKOV, K.G., glavnyy vrach.

Single-stage extensive resection of the small and large intestines. Sov.  
med. 17 no.9:32-33 8 '53. (MIRA 6:9)

1. Khirurgicheskoye otdeleniye Romenskoy rayonnoy bol'nitsy.  
(Intestines--Surgery)

IOAKIMIS, K.D.

~~Penicillin treatment of mastitis. Sov.med. 19 no.4:23-26 Ap '55.~~

(MLBA 8:6)

1. Zav. khirurgicheskim oddeleniyem Romenskoy rayonnoy bol'nitsy  
(glavnyy vrach K.G.Sushkov).

(MASTITIS, ther.,

penicillin)

(PENICILLIN, ther. use,

mastitis)

IOAKIMIS, K.D.

Surgical treatment of heart wounds. Sov.med, 21 Supplement:29 '57.  
(MIRA 11:2)

1. Iz khirurgicheskogo otdeleniya Romenskoy rayonnoy bol'nitsy.  
(HEART--SURGERY)

**IOANNESYAN, Yu.R.**

**Effective method of well drilling using the horizontal directional  
shaft. Neft.khoz. 33 no.11:32-33 N '55. (MLBA 9:1)  
(Oil well drilling)**

IOAN, A.

TECHNOLOGY

Periodicals: HIDROTEHNICA. Vol. 3, no. 10, Oct. 1958

IOAN, A. Erosion phenomena of river beds occurring as a result of constructing  
barrages with sills; causes and consequences. p. 387

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

ICAN, A: MARUTA, A

Determining the optimum settling tank for improvement of surface water;  
Opportunity of using the radial settling tank. p.343

HIDROTEHNICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din  
Romina) Bucuresti, Romania Vol. 4, no.11, Nov. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no.2, Feb. 1960

Uncl.

SEROPIAN, Ye.; GRECHANU, I.; IOAN, A. (Bucharest)

Treatment of severe forms of bronchial asthma with ACTH and cortisone. Klin.med. 37 no.6:149-151 Je '59. (MIRA 12:8)

1. Iz terapevticheskoy kliniki Koltsya pri Institute usovershenstvovaniya i spetsializatsii vrachey (dir. - prof. B Teodoresku).

(ASTHMA, ther.

ACTH & cortisone alone & in combination (Rus))

(ACTH, ther. use

asthma, with & without cortisone (Rus))

(CORTISONE, ther. use

asthma, with & without ACTH (Rus))



GURESCU, V., dr.; IOAN, A., dr.; POPA, F., dr.; HOZOC, D., dr.;  
THEODORESCU, B., prof.

Hemodynamic changes produced by Valsalva's maneuver in normal  
persons and in patients with right or total heart insufficiency.  
Med.intern., Bucur. 11 no.5:727-737 '60.

1. Lucrare efectuata in Clinica medicala, Spitalul "Colten",  
si Clinica chirurgicala "Panduri", Bucuresti.  
(HEART FAILURE, CONGESTIVE, physiology)  
(RESPIRATION, physiology)  
(BLOOD CIRCULATION)

THEODORESCO, B.; POPESCO, P.; IOAN, A1.

Some observations on pericardial and pleuropericardial clicks.  
Cor Vasa 4 no.1:53-60 '62.

1. Institut de Medecine et de Pharmacie, Clinique Medicale Coltea,  
Bucarest.

(PHONOCARDIOGRAPHY) (PERICARDITIS diag)  
(AUSCULTATION)

THEODORESCU, B., prof.; POPESCU, P., dr.; MIKHAIL, A., dr.; GHERASIM, L.,  
dr.; IOAN, Alex., dr.; NICULESCU, D.A., dr.

Clinical and etiological aspects in benign acute pericarditis. Med.  
inter., Bucur 13 no.3:367-377 Mr '61.  
(PERICARDITIS)

SEROPIAN, E., dr., candidat in stinte medicale; IOAN, Al., dr.; PIRVULESCU, M., dr.

The coefficient of oxygen utilization in mitral stenosis. Med. intern.  
14 no.6:667-671 Je '62.

1. Lucrare efectuata in Clinica medicala "Coltea" (director: prof.  
B. Theodorescu).  
(MITRAL STENOSIS) (RESPIRATORY FUNCTION TESTS)  
(TISSUE METABOLISM)

CUNESCU, V.; IOAN, AL.

The value of carotid arterioplethysmograms in the diagnosis of some cardiovascular diseases. Stud. cercet. med. intern. 3 no.5:583-591 '62.

(CAROTID ARTERIES) (PLETHYSMOGRAPHY)  
(CARDIOVASCULAR DISEASES)

PAUNESCU, C.; IOAN, A.; MIHAIL, A.; THEODORESCU, B.

Clinical considerations on 60 cases of acquired tricuspid lesions. Stud. cercet. med. intern. 4 no. 6: 755-780 '63.

IOAN, C.

ROMANIA

STERESCU, M.; IOAN, C.

Bucharest, Revista de Chimie, No 11-12, Nov-Dec 63, Vol 14,  
p 689

"The Amperometric Determination of Sulphur in Organic  
Substances."

STERESCU, M.; IDAN, C.

Amperometric determination of sulfur in organic substances.  
Rev chimie Min petr 14 no.11/12:689 N-D'63.



17.1380

32582  
R/002/62/000/001/004/004  
D272/D303

AUTHOR: Ioan., Constantin Sabin

TITLE: Parachuting at supersonic speeds

PERIODICAL: Știința și tehnica, no. 1, 1962, 14-16

TEXT: The main obstacles encountered in the field of parachuting at supersonic speeds, and the most modern methods and catapulting devices for parachuting at high speeds in aviation and astronautics, are surveyed on the basis of Soviet data [Abstractor's note: No references given.]. The first catapulted ejection seats for fighter pilots were installed in the USSR after the successful ejection of H. Bistrov at 764 km/hr speed, on November 13, 1948, and have been continuously perfected, V. Kochetkov being ejected successfully at a flying speed of 1036 km/hr from a MIG-15 (training) on August 21, 1951. First major improvements were downward ejection to reduce the catapulting velocity, and the resulting acceleration forces upon the pilot, and generation of shock waves by a special small trapezoidal screen in front of the ejection seat, mounted on top of

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a telescopic rod, to protect the pilot from the intense shock wave front, upon ejection at supersonic speeds. The second stage was partial enclosure of the seat in high speed (over 2000 km/hr) and high altitude (over 20 km) fighter planes, by automatic movement of the sidewalls towards the seat, explosion of the pyrotechnic cartridge of the catapulting mechanism, and opening - after several seconds delay - of the braking parachute to reduce the speed of the seat to 25 - 30 m/sec, with subsequent automatic opening of the "box" to enable the pilot to use his personal parachute. Since these measures were not successful, hermetically sealed cabins were then developed, in which the seat walls close tightly, the special cartridge (5400 kg driving force in 0,25 seconds) explodes, a 1 m diameter parachute reduces the speed of the seat to 90 m/sec within 3 - 5 seconds from opening, the main parachute (15 m diameter) hood opens, and a cushioning (pneumatic) device decreases the impact shock upon landing; if landing on the sea, the parachute is detached automatically and the seat floats (there is an oxygen reserve inside as well as a special valve to the atmosphere). An improvement on this was the "ejectable cabin", where the seat is ro-

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tated upwards into the cabin cupola, the curved back of the seat sealing the cabin which after explosive disconnection from the plane, is thrown upwards with a force of several tons developed by a small rocket below; small parachutes and stabilizing surfaces enable the correct position and braking until the principal parachute opens. At present experiments are being performed on various types of sealed catapultable cabins for fighters and bombers at speeds over 2000 km/hr. For future planes, with speeds exceeding 2500 km/hr, only catapulting of the front part of the fuselage is considered a safe possibility for recovery of the pilot, and the first "sectionable planes" are already in the experimental stage. Upon command of the pilot a "guillotine" system will cut the command wires and all other links, special screws at the joining points will explode, and immediately a rocket will ignite and throw upwards the bow of the fuselage; inside the cabin the temperature and humidity will remain unchanged; flight stability will be secured by means of 2 vertical tail units and a metallized-strip braking-parachute, followed after 8 - 10 seconds of falling by 2 - 3 resistant parachutes securing safe recovery of the cabin. In

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one of the newest of this type, the ejectable part of the plane is covered by a heat-resistant layer of titanium alloys, and provided with 4 long stabilizing surfaces, 2 metal braking parachutes, opening successively, and a main parachute made of plastic strips, the sealed cabin being equipped with a cooling plant to protect the pilot against aerodynamic heating; this type of unit, it is hoped, will be safe up to speeds of 3200 km/hr. The survey concludes with a brief enumeration of the difficulties encountered in developing these units, and some means of testing them. It is mentioned that these systems of ejection are being adapted by rocket designers to capsule recovery. X

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IOAN, Constantin Sabin, ing.

Parachuting at supersonic speed. St si Teh Buc 14 no.1:14-15,16  
Ja '62.

IOAN, Constantin Sabin

"Studies on the deviation of a free air jet with the aid of jet rotation" by Klaus Iserland. Reviewed by Constantin Sabin.  
Ioan. Studi cerc mec apl 13 no.4:1046-1047 '62.

L 13305-63

EWI(d)/FAS/EWI(m)/T-2/HDS

AFPTO/ASD

R/002/63/000/004/002/002

AUTHOR: Ioan, Constantin S., Engineer

(S)

54

TITLE: Helicopters powered by turbines

PERIODICAL: Stiinta si Tehnica, no. 4, 1963, 24, 25, 37

TEXT: On October 30, 1957, a "Mi-6" helicopter set two world records by carrying a load of 12,000 kg to an altitude of 2,000 m, and one of 10,000 kg to an altitude of 2,453 m. This performance was made possible by two very powerful turbines (4,700 horsepower each) which activated the giant rotor of the five-blade rotor of the "Mi-6". The author gives a general description of the evolution of helicopters in the past five years, and stresses the importance of the gas turbines in this progress. He then gives a list of different models of Soviet helicopters together with a short description of the characteristics of each: the "flying crane" built like the "Mi-6", by the collective of M. I. Mil, has two turbines of 5,000 horsepower each, set world records of maximum capacity (15,000 kg at an altitude of 2,326 m, and 15,103 kg at an altitude of 2,000 m). Some variants of the "Mi-6" model held nine world records, including the speed record (320 km/hour) on a closed path of 100 km. Helicopter-plane "Vintokril", constructed by N. I. Kamov, combines the characteristics of the helicopter (e.g. vertical

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L 13305-63

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Helicopters powered by .....

take-off and landing, the lift forces being produced by two lateral rotors of 5,000 horsepower each) with those of the airplane (e.g. high horizontal velocity, the lift force proceeding from the fixed wings); almost all the turbopropellant force is used for the lifting rotors. Helicopters "V-2" and "V-8" are variants of the well-known models "M-1" and "Mi-4". "V-2" can carry 7 passengers at an average speed exceeding 200 km/hour, "V-8" 24 passengers at 250-260 km/hour, thanks to turbines of the "Izotov" type (4,200 horsepower). The author ends with a hint of the type of jet helicopters expected to be constructed in the future. Included in the article are general sketches of a "V-8" helicopter and a gas-turbine motor (3 figures).

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L 18833-63

EWT(d)/FAS/EWT(m)/BDS/T-2 AFTTC/ASD

ACCESSION NR: AP3001802

R/0002/63/000/006/0023/0026

AUTHOR: Ioan, Constantin Sabin (Eng.)

56

TITLE: Aviation with vertical take-off

SOURCE: Stiinta si tehnica, no. 6, 1963, 23-26

TOPIC TAGS: Vertical take-off, helicopter, turboreactor

ABSTRACT: The article discusses various theories and problems of the construction of aircraft equipped for vertical take-off and landing,<sup>4</sup> or otherwise adaptable for very short runways and describes some characteristics of the early models of "convertible" planes with the fuselage in a vertical position at take-off; a method first used with propeller planes and then adapted to jets. Mention is made of the turbojet aircraft "Turbolet," built by Soviet engineers, which has a powerful turboreactor in vertical position. The excellent results of these experimental types led to construction, in the Soviet Union, of the first vertical-take-off jet plane with a speed of 1,100 to 1,200 km/hour. The article also describes turboreactors with jet deviators, pivoting turboreactors, and

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turboreactors with adjustable nozzles. The great advantages of turboreactors with regard to lifting power indicate that the best solution for high-speed planes capable of vertical take-off and landing is the use of separate motors for propulsion and for landing--take-off. Orig. art. has 7 illustrations.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 17Jun63

ENCL: 00

SUB CODE: AC

NO REF SOV: 000

OTHER: 000

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PANTAZOPOL, D.; IOAN, C.S.

A method for studying incompressible plane jets bounded  
by thin jet sheets. Rev meo appl 8 no.5:745-756 '63.

FANTAZOPOL, D.; IOAN, C.S.

A method for studying incompressible plane jets bounded by  
thin jet sheets. Studii cerc mec apl 14 no.4:769-780 '63.

ACCESSION NR: AF4017881

AUTHOR: Ioan, Constantin Sabiu

TITLE: Plane compressible jets bounded by thin jet sheets

SOURCE: Studii si cercetari de mecanica aplicata, v. 14, no. 6, 1969, 1449-1463

TOPIC TAGS: plane compressible jet, thin jet sheet, contraction factor, convergent symmetric nozzle, rectilinear wall

ABSTRACT: The problem of interaction between two or more gas jets is of increasing interest due to their more and more numerous applications in different fields. Thus far only certain aspects of the problem have been studied and solved. Investigation of the effect of marginal jets on the motion of plane fluid jets has proved particularly interesting and timely. The present paper attempts to determine the effect of compressibility on the contraction of a plane gas jet bounded by thin jet sheets, by extending certain hypotheses accepted by D. Pantazopol, "On a method for the study of plane incompressible jets bounded by thin jet sheets" (in Romanian), St. Cerc. Mec. Apl., XIV, 4, 1969. The author considers a gas jet

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ACCESSION NR: AF4017861

emerging at subsonic speed through a bidimensional nozzle, allowing for the discontinuity of velocities along the contact surfaces. He calculates the contraction factor of the principal jet and shows the application in the case of a convergent symmetric nozzle with rectilinear walls. Orig. art. has: 5 figures, 2 tables, 40 formulas.

ASSOCIATION: none

SUBMITTED: 14Aug69

SUB CODE: AS

DATE ACQ: 12Mar69

NO REF SOV: 002

ENCL: 00

OTHER: 011

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IOAN, Constantin Sabin, ing.

A 25.5 km jump from the stratosphere. St si Teh Buc 15 no.3:32-33  
Mr '63.

IOAN, Constantin S., ing.

Helicopters actuated by turbines. St si Teh Buc 15 no.4:24-25 37  
Ap '63.



IOAN, Constantin Sabin, ing.

Vertical takeoff aviation. St si Teh Buc 15 no.6:23-26 Je '63.

AM-14-113

BOOK EXPLORATION

R.

Ioan, Constantin Babiu; Bastan, Grigore

Parachuting (Paraschutism) Bucharest: Editura militara, 1961  
287 p. illus., photo., tables. 1213 copies printed.

TOPIC TAGS: parachuting, aeronautics, jump training, military para-  
chute

PURPOSE AND COVERAGE: This is a nontechnical book intended for  
readers interested in military and sport parachuting. The history  
of parachuting is reviewed and theoretical aspects of parachute  
technique and jump training are discussed. There are 11 refer-  
ences, 10 in the Soviet Union and 1 non-Soviet.

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  - Folding parachutes with progressive opening -- 94
  - Folding emergency parachutes -- 110
  - Folding parachutes for material -- 110
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NO REF SQV: 015

OTHER: 019

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IOAN, Constantin Sabin

Contribution to the study of compressible plane jets bound by  
thin jet sheets. Rev mec appl 9 no. 2:245-262 '64.

**CIA-RDP86-00513R000618620005-3"**

perimental investigations were made in the flat wind tunnel for low speed

at the same time the "General" was also tested in the same wind tunnel. The results of these tests were compared with the results of the tests conducted with the "General" in the same wind tunnel. The results of the tests conducted with the "General" in the same wind tunnel are shown in the general section of the report.



agreement with the theoretical predictions.

ASSOCIATION: Institute for Applied Mechanics, Academy of the R.S.R., Bucarest

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Card 2/2

IOAN, Constantin Sabin, ing., cercetator stiintific

Supersonic aerial expresses. St si Teh Buc 17 no.1:22-25,  
33 Ja '65.

IOAN, Constantin Sabin

Experimental studies on the noncompressible plane jets  
bounded by jet sheets. Studii cerc meo apl 17 no.6:1403-  
1427 '64.

1. Institute of Applied Mechanics, Rumanian Academy. Submitted  
July 22, 1964.

IOAN, Constantin Sabin

A formula of the contraction coefficient for plane jets bound by jet sheets. Studii cerc mec apl 17 no.5:1307-1318 '65.

"The exploration of outer space" by Sir Bernard Lovell. Reviewed by Constantin Sabin Ioan. Ibid.:1330-1331

1. "Traian Vuia" Institute of Applied Mechanics, Rumanian Academy, Bucharest. Submitted July 13, 1964.

*Ioan, Elena*

RUMANIA

MICU, I.; OANA, C.; MANTA, I.; IOAN, Elena; CUCIUREANU, Georgeta;  
MIHUL, Valentina; VINTU, C.; GRADINARU, Lillian; GRADINARU, I.;  
IOSEFSOHN, Judith; MINASCURTA, S.; MOSANU, P.; COTAE, Gh.

Clinic of Contagious Diseases Iasi, Iasi Regional Sanepid.  
(Clinica de boli contagioase Iasi, Sanepidul regional Iasi.)  
- (for all)

Bucharest, Viata Medicala, No 7, 1 Apr 63, pp 457-460.

"Epidemic of Ornithosis in a Rural Locality."

(13)

SUTIU, I., Colonel, Medical Corps; VAIDEANU, C., Lieutenant-Colonel, Medical Corps; CONSTANTINESCU, V., Captain, Medical Corps; DANCITULCIU, Al., Major, Medical Corps; IOAN, Gh., Major, Medical Corps; DIMIRIU, R., Major, Medical Corps; and MANGAS, O., Major, Medical Corps.

"Indications and Value of Considerations in Ligation of a Voluminous Hemangioma of the Left Side of the Liver, Operated by Subtotal Left Hepetactomy"

Bucharest, Revista Sanitara Militara, Vol 62, No. 3, May-June 1966;  
pp 455-465

Abstract: Very detailed anatomical discussion of liver lobules and regional vasculature, leading to description of surgery in 39 year old soldier with liver tumor, a large cavernous hemangioma with satisfactory results and uneventful recovery. 3 anatomical diagrams, 4 photographs of operative stages, 1 photograph of surgical specimen, 1 photomicrogram, 1 liver scintigram with rose bengal. 10 Western, 16 Rumanian references. Manuscript received 10 February 1966.

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RUMANIA

SUTEU, I., Colonel, Medical Corps; IOAN, Gh., Major, Medical Corps; and  
PIRON, Gh., Lieutenant Major, Medical Corps.

"Post-Traumatic Ossifying Myositis"

Bucharest, Revista Sanitara Militara, Vol 62, No. 6, Nov-Dec 66, p. 985-995

Abstract: Detailed presentation of case history of bricklayer aged 20 with  
ossifying myositis of the right femur as a sequela to a soccer lesion,  
fairly good result of surgical treatment. 2 roentgenograms, 2 photomicro-  
graphs. 1 Soviet, 5 Western, 8 Rumanian references. Manuscript received  
3 Feb 66.

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IOAN, P.; BANATEANU, P.

"Economy, organization, and planning of socialist industry" by  
C. Pintilie. Vols.1-3. Reviewed by P. Ioan, P. Banateanu. Rev  
chimie Min petr 14 no.9:549-550 S '63.

IOAN, S.

Soundproofing driver's cage in diesel locomotives. Rev sailor fer 9  
no.12:629-632 D '61.

(Diesel locomotives) (Soundproofing)

IOAN, SHARLYA

IOAN, SHARLYA: "Investigation of electronic regulators for automatic temperature regulation." Min Higher Education Ukrainian SSR. Khar'kov Polytechnic Inst imeni V. I. Lenin. Khar'kov, 1956.  
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnyy letopis'. No 23, 1956

IOAN, S. ; NICOLAESCU, V.

A rapid method for the indirect determination of the sulfuric ion in sulfuric acid and pyrites, with the aid of flame photometer. p.610

REVISTA DE CHIMIE (Ministerul Industriei Petrolului si Chemicilor si Asociatia Stiintifica A Inginerilor si Technicienilor din Romania) Bucuresti, Rumania, Vol. 10, no 10, Oct. 1959.

Monthly list of East European Accessions (EEAI) L C, Vol. 9, no. 2, 1959 <sup>Ays.</sup>

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